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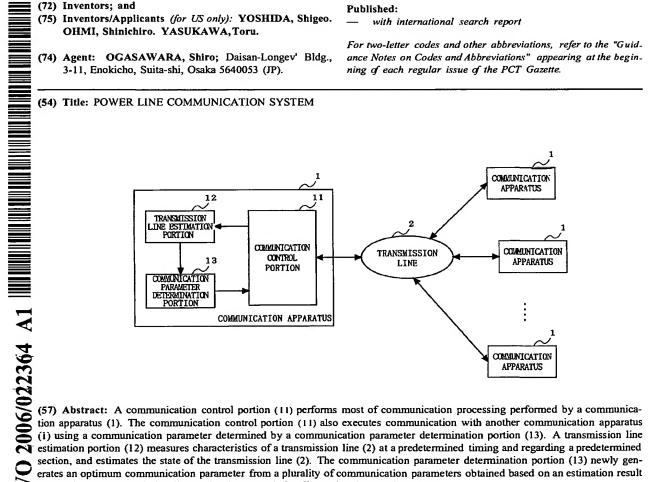
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section, and estimates the state of the transmission line (2). The communication parameter determination portion (13) newly generates an optimum communication parameter from a plurality of communication parameters obtained based on an estimation result obtained on the transmission line (2) by the transmission line estimation portion (12).

